



PUBLIC NOTICE

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C BLOCK PCS SPECTRUM AUCTION SCHEDULED FOR MARCH 23, 1999

COMMENT SOUGHT ON AUCTION PROCEDURAL ISSUES

Report No. AUC-98-23-A (Auction No. 22)

By this Public Notice, the Wireless Telecommunications Bureau ("Bureau") announces an auction of C block broadband personal communications services ("PCS") licenses set to begin on March 23, 1999 (Auction No. 22).¹ Auction No. 22 will cover licenses for operation on frequencies that were previously licensed under now-cancelled licenses, licenses for operation on 30 MHz and 15 MHz spectrum blocks that were returned to the Commission pursuant to elections, and licenses for operation on frequencies that had not been previously licensed. A list of licenses is included at Attachment A. In addition, future public notices could include information about other Commission licenses in conjunction with Auction No. 22. Future public notices will include further details regarding application filing and payment deadlines, a seminar for potential bidders, and other pertinent information. In this Public Notice, we seek comment on procedural issues relating to Auction No. 22.

¹ The Commission recently adopted competitive bidding rules for the upcoming C block auction. See Amendment of the Commission's Rules Regarding Installment Payment Financing for Personal Communications Services (PCS) Licenses, *Fourth Report and Order*, FCC 98-176 (rel. August 19, 1998) ("*C Block Fourth Report and Order*"); see also Installment Payment Financing for Personal Communications Services (PCS) Licenses, 63 Fed. Reg. 50,791 (September 23, 1998).

I. Reserve Price or Minimum Opening Bid

The Balanced Budget Act of 1997 ("Budget Act") calls upon the Commission to prescribe methods by which a reasonable reserve price will be required or a minimum opening bid established when FCC licenses are subject to auction (i.e., because the Commission has accepted mutually exclusive applications for those licenses), unless the Commission determines that a reserve price or minimum bid is not in the public interest.²

Normally, a reserve price is an absolute minimum price below which an item will not be sold in a given auction. Reserve prices can be either published or unpublished. A minimum opening bid, on the other hand, is the minimum bid price set at the beginning of the auction below which *no bids* are accepted. It is generally used to accelerate the competitive bidding process. Also, in a minimum opening bid scenario, the auctioneer generally has the discretion to lower the amount later in the auction.

The Commission in the *C Block Further Notice* sought comment on the use of a minimum opening bid and/or reserve price for the upcoming C block PCS auction.³ The Commission stated that, for the upcoming C block auction, employing a minimum opening bid, more than a reserve price, would help make certain that the public is fairly compensated, the auction is expedited, and the Commission is able to make adjustments based on the competitiveness of the auction. Accordingly, the Commission proposed to use a minimum opening bid, rather than a reserve price, for the upcoming C block auction and requested comment on this proposal, as well as on which methodology to employ and factors to consider in establishing minimum opening bids. The Commission proposed minimum opening bids for each market equal to ten percent of the corresponding net high bid for the market in the original C block auction. The Commission asked commenters to explain whether this proposal would be reasonable or would result in a substantial number of unsold licenses. The Commission asked further whether the amount of the minimum opening bid should be capped and whether the Commission should establish a different amount.

In the *C Block Fourth Report and Order*, which resolved issues raised in the *C Block Further Notice*, the Commission decided that it would be appropriate to establish minimum opening bids for each market in the upcoming C block auction equal to ten percent of the corresponding net high bid for the market in the original C block auction.⁴ The Commission stated, however, that

² Section 3002(a), Balanced Budget Act of 1997, Pub. L. 105-33, 111 Stat. 251 (1997) ("Budget Act"); 47 U.S.C. § 309(j)(4)(F). The Commission's authority to establish a reserve price or minimum opening bid is set forth in 47 C.F.R. § 1.2104(c) and (d).

³ Amendment of the Commission's Rules Regarding Installment Payment Financing For Personal Communications Services (PCS) Licensees, WT Docket No. 97-82, *Second Report and Order and Further Notice of Proposed Rule Making*, 12 FCC Rcd 16,436, 16,477 para. 92 ("*C Block Second Report and Order*" and "*C Block Further Notice*").

⁴ *C Block Fourth Report and Order* at para. 29.

the Bureau may exercise its discretion to set forth minimum opening bids smaller than ten percent if, based upon further evaluation, the Bureau believes that a smaller amount is warranted.⁵ In considering a reduction of the minimum opening bid, the Bureau would consider such factors as the amount of spectrum being auctioned, levels of incumbency, the availability of technology to provide service, the size of the geographic service areas, issues of interference with other spectrum bands, and any other relevant factors that could reasonably affect valuation of the spectrum being auctioned.⁶

The Commission made no adjustment to the minimum opening bid for those licenses which, in Auction No. 22, will be 15 MHz rather than 30 MHz.⁷ The Bureau, however, believes that such an adjustment is appropriate and, accordingly, proposes to establish as the minimum opening bid for each 15 MHz license available in Auction No. 22 an amount equal to five percent of the most recent net high bid for the corresponding 30 MHz license,⁸ but in no event lower than the upfront payment amount for that license in Auction No. 22 (see discussion of upfront payments immediately below). For 15 MHz licenses with minimum opening bids that would otherwise be lower than upfront payment amounts, the Bureau proposes to establish minimum opening bids that equal the upfront payment amounts. For each 30 MHz license available in Auction No. 22, the Bureau plans to establish a minimum opening bid equal to ten percent of the most recent corresponding net high bid for the license, but in no event lower than the upfront payment amount for that license in Auction No. 22. For 30 MHz licenses with minimum opening bids that would otherwise be lower than upfront payment amounts, the Bureau plans to establish minimum opening bids that equal the upfront payment amounts. Minimum opening bid amounts are provided in Attachment A.

⁵ *Id.*

⁶ See Amendment of Part 1 of the Commission's Rules -- Competitive Bidding Procedures, Allocation of Spectrum Below 5 GHz Transferred from Federal Government Use, 4660-4685 MHz, WT Docket No. 97-82, ET Docket No. 94-32, FCC 97-413, *Third Report and Order and Second Further Notice of Proposed Rule Making*, 13 FCC Rcd 374, 454-455, para. 139 (1998) ("*Part 1 Third Report and Order*"), in which the Commission clarified that the Bureau has the authority to seek comment on minimum opening bids and reserve prices and to establish such mechanisms for each auction, consistent with the Bureau's role in managing the auction process and setting valuations for other purposes.

⁷ The *C Block Second Report and Order*, as modified by the *C Block Reconsideration Order*, allowed C block licensees to elect, as one of several alternative payment options, to disaggregate one-half of the spectrum from a basic trading area license (i.e., 15 MHz of 30 MHz), thus relinquishing all rights to operate on that 15 MHz band of spectrum and enabling the Commission to auction new licenses for that band. See *C Block Second Report and Order*, 12 FCC Rcd at 16,455-58 paras. 38-45; Amendment of the Commission's Rules Regarding Installment Payment Financing For Personal Communications (PCS) Licensees, WT Docket No. 97-82, *Order on Reconsideration of the Second Report and Order*, 13 FCC Rcd 8345, 8366-71 paras. 49-60 (1998) ("*C Block Reconsideration Order*").

⁸ By "most recent," we mean that if the license for a particular band of spectrum was auctioned in Auction No. 10 (which concluded on July 16, 1996), the Bureau will use the net high bid for the license in Auction No. 10, rather than the net high bid for authorization to use that same band in the original C block auction, as the basis for calculating the minimum opening bid.

II. Upfront Payments and Initial Maximum Eligibility for Each Bidder

In the *C Block Further Notice*, the Commission explained that, in the *Competitive Bidding Second Report and Order*, it had indicated that the upfront payment should be set using a formula based upon the amount of spectrum and population ("pops") covered by the license(s) for which the parties intend to bid and that the amount of the upfront payment should be determined on an auction-by-auction basis.⁹ The Commission proposed in the *C Block Further Notice* to set an upfront payment for the upcoming C block auction at \$0.06 per MHz per pop.¹⁰ The Commission determined that this amount was appropriate to further its goal of allowing only serious, qualified applicants to participate in the auction.¹¹ The Commission noted that it had adopted the same upfront payment for its most recent broadband PCS auction, the D, E, and F block auction.¹²

In the *C Block Fourth Report and Order*, the Commission noted that there was support among commenters for setting the upfront payment amount at the proposed \$0.06 per MHz per pop and expressed its belief that in the upcoming C block auction the upfront payment should be no higher than this amount.¹³ Accordingly, the Bureau plans to set the upfront payment amount for each license in Auction No. 22 at \$0.06 * MHz * Pops (rounded up to the next dollar). We note, however, that in the *C Block Fourth Report and Order* the

⁹ *C Block Further Notice*, 12 FCC Rcd at 16,478-79 para. 94; see Implementation of Section 309(j) of the Communications Act -- Competitive Bidding, *Second Report and Order*, 9 FCC Rcd 2346, 2377-78 (1994) ("*Competitive Bidding Second Report and Order*"). In the *Part 1 Third Report and Order*, the Commission affirmed its reasoning in the *Competitive Bidding Second Report and Order* and maintained the existing competitive bidding rules, which allow the amount of the upfront payment and the terms under which it is assessed to be determined on an auction-by-auction basis. *Part 1 Third Report and Order*, 13 FCC Rcd at 425 para. 86; see 47 C.F.R. § 1.2106.

¹⁰ *C Block Further Notice*, 12 FCC Rcd at 16,478-79 para. 94.

¹¹ *Id.* The amount of the upfront payment is intended to approximate five percent of the expected amount of the winning bid for a given license. See Amendment of Parts 21 and 74 of the Commission's Rules With Regard to Filing Procedures in the Multipoint Distribution Service and in the Instructional Television Fixed Service, MM Docket No. 94-131, *Report and Order*, 10 FCC Rcd 9589, 9650 para. 136 (1995).

¹² *C Block Further Notice*, 12 FCC Rcd at 16,478-79 para. 94; see 47 C.F.R. § 24.716(a)(1).

¹³ *C Block Fourth Report and Order* at para. 33.

Commission stated that the Bureau may establish a lower upfront payment if it deems a lower amount to be reasonable.¹⁴

As required by the *C Block Fourth Report and Order*, the upfront payment amount for "former defaulters," i.e., applicants that have ever been in default on any Commission licenses or have ever been delinquent on any non-tax debt owed to any Federal agency, will be fifty percent more than the normal amount required to be paid.¹⁵

For Auction No. 22, we propose that the amount of the upfront payment submitted by a bidder will determine the initial maximum eligibility (as measured in bidding units) for each bidder. Upfront payments will not be attributed to specific licenses, but instead will be translated into bidding units to define a bidder's initial maximum eligibility, which cannot be increased during the auction. Thus, in calculating the upfront payment amount, an applicant must determine the maximum number of bidding units it may wish to bid on (or hold high bids on) in any single round, and submit an upfront payment covering that number of bidding units. We seek comment on this proposal.

III. Attribution Rules

The attribution rules set forth in Section 24.709 of the Commission's rules¹⁶ will apply to Auction No. 22.

IV. Other Auction Procedural Issues

The Budget Act requires the Commission to "ensure that, in the scheduling of any competitive bidding under this subsection, an adequate period is allowed. . . before issuance of bidding rules, to permit notice and comment on proposed auction procedures. . ." ¹⁷ Consistent with the provisions of the Budget Act and to ensure that potential bidders have adequate time to familiarize themselves with the specific provisions that will govern the day-to-day conduct of an

¹⁴ *Id.*

¹⁵ *See id.* at para. 34.

¹⁶ 47 C.F.R. § 24.709.

¹⁷ Budget Act, § 3002(a)(E)(i).

auction, the Commission directed the Bureau, under its existing delegated authority,¹⁸ to seek comment on a variety of auction-specific issues prior to the start of each auction.¹⁹ We therefore seek comment on the following issues.

a. Auction Sequence and License Groupings

In the *C Block Further Notice*, the Commission proposed a simultaneous multiple-round design for the upcoming C block auction,²⁰ and it received no comments opposing this proposal.²¹ Accordingly, in the *C Block Fourth Report and Order*, the Commission stated that the simultaneous multiple-round design would be appropriate for the upcoming C block auction.²² The Commission noted, however, that it remains within the Bureau's authority to seek comment on, and to modify, the competitive bidding design of the upcoming C block auction, if the Bureau determines that another design might be warranted.²³ In light of this history, and because a simultaneous multiple-round design allows bidders to take advantage of any synergies that exist among licenses, we propose to award all C block PCS licenses currently available for auction in a single, simultaneous multiple-round auction. We seek comment on this proposal.

¹⁸ See Amendment of Part 1 of the Commission's Rules—Competitive Bidding Proceeding, WT Docket No. 97-82, FCC 97-60, *Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*, 12 FCC Rcd 5686, 5677 para. 16 (1997) ("*Part 1 Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*") ("We also clarify that pursuant to Section 0.131 of our rules, the Chief, Wireless Telecommunications Bureau, has delegated authority to implement all of the Commission's rules pertaining to auctions procedures.")

¹⁹ *Part 1 Third Report and Order*, 13 FCC Rcd at 448 para. 124. The Commission directed the Bureau to seek comment on specific mechanisms related to day-to-day auction conduct including, for example, the structure of bidding rounds and stages, establishment of minimum opening bids or reserve prices, minimum accepted bids, initial maximum eligibility for each bidder, activity requirements for each stage of the auction, activity rule waivers, criteria for determining reductions in eligibility, information regarding bid withdrawal and bid removal, stopping rules, and information relating to auction delay, suspension or cancellation. *Id.* para. 125.

²⁰ *C Block Further Notice*, 12 FCC Rcd 16,436, 16,475-76 paras. 86-29.

²¹ *C Block Fourth Report and Order* at para. 23.

²² *Id.*

²³ *Id.*

b. Structure of Bidding Rounds, Activity Requirements, and Criteria for Determining Reductions in Eligibility

In the *C Block Further Notice*, the Commission tentatively concluded that a C block auction should be conducted in three stages.²⁴ The Commission proposed to use high activity requirements, with bidders required to be more active in each subsequent stage than they had been in the last. The Commission also proposed requiring the Bureau to use its delegated authority to schedule bidding rounds aggressively, to move quickly into the next stage of the auction when bidding activity falls, and to use higher minimum bid increments for very active licenses. In the *Part 1 Third Report and Order*, the Commission directed the Bureau to seek comment prior to the start of each auction on activity requirements for each stage of the auction and activity rule waivers.²⁵

No party opposed the Commission's tentative conclusion to conduct a C block auction in three stages.²⁶ Accordingly, in the *C Block Fourth Report and Order*, the Commission expressed its continued belief that this structure would be reasonable for the upcoming C block auction.²⁷ The Commission noted, however, that the Bureau normally determines the structure of the auction and stated that it remains within the Bureau's discretion to deviate from the proposed three-stage structure if, after appropriate notice and comment, the Bureau determines that a different structure would better serve the public interest.²⁸

Accordingly, we propose to divide the auction into three stages: Stage One, Stage Two and Stage Three. The auction will start in Stage One. We propose that the auction will generally advance to the next stage (*i.e.*, from Stage One to Stage Two, and from Stage Two to Stage Three) when the auction activity level, as measured by the percentage of bidding units receiving new high bids, is below ten percent for three consecutive rounds of bidding in each Stage. However, we further propose that the Bureau retain the discretion to change stages unilaterally by announcement during the auction. In exercising this discretion, we will consider a variety of measures of bidder activity including, but not limited to, the auction activity level, the percentages of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue. We seek comment on these proposals.

In order to ensure that auctions close within a reasonable period of time, the Commission imposes

²⁴ *C Block Further Notice*, 12 FCC Rcd at 16,476 para. 91.

²⁵ *Part 1 Third Report and Order*, 13 FCC Rcd at 447-48 paras. 124-25.

²⁶ *See C Block Fourth Report and Order* at para. 25 and App. B.

²⁷ *Id.* at para. 25.

²⁸ *Id.*

an activity rule that requires bidders to bid actively on a percentage of their maximum bidding eligibility during each round of an auction rather than waiting until the end to participate. A bidder that does not satisfy the activity rule will either lose bidding eligibility in the next round or use an activity rule waiver.

For Auction No. 22, we propose that, in each round of Stage One of the auction, a bidder desiring to maintain its current eligibility must remain active on licenses encompassing at least 80 percent of its current bidding eligibility. Failure to maintain the requisite activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage One, reduced eligibility for the next round will be calculated by multiplying the current round activity by five-fourths ($5/4$). In each round of the second stage of the auction, a bidder desiring to maintain its current eligibility is required to be active on at least 90 percent of its current bidding eligibility. During Stage Two, reduced eligibility for the next round will be calculated by multiplying the current round activity by ten-ninths ($10/9$). In each round of Stage Three, a bidder desiring to maintain its current eligibility is required to be active on 98 percent of its current bidding eligibility. In this final stage, reduced eligibility for the next round will be calculated by multiplying the current round activity by fifty forty-ninths ($50/49$). We seek comment on these proposals.

c. Minimum Accepted Bids

Once there is a standing high bid on a license, a bid increment will be applied to that license to establish a minimum acceptable bid for the following round. For Auction No. 22, we propose to use a smoothing methodology to calculate bid increments. This methodology will be designed to vary the increment for a given license between a maximum and minimum value based on the bidding activity on that license. A similar methodology was used in previous auctions, including the original LMDS auction²⁹ and the 220 MHz auction.³⁰ The Bureau proposes initial values for the maximum of 0.2 or 20% of the license value, and a minimum of 0.1 or 10% of the license value. We seek comment on this proposal.

The Bureau retains the discretion to change these values if circumstances so dictate, such as raising the minimum increment toward the end of the auction to enable bids to reach their final values more quickly. The Bureau will do so by announcement in the Automated Auction System. Under its discretion, the Bureau may also implement an absolute dollar floor for the bid increment to further facilitate a timely close of the auction. The Bureau further seeks comment on the advantages and disadvantages of using the discretion to adjust the minimum bid increment without prior notice. The Bureau additionally seeks comment on the advantages and disadvantages of, as an alternative approach, adjusting the minimum bid increment gradually over a number of rounds as opposed to single large changes in the minimum bid increment. The Bureau also retains the

²⁹ See "Auction of Local Multipoint Distribution Licenses," *Public Notice*, DA 98-230 (rel. Feb. 6, 1998).

³⁰ See "Auction of the Phase II 220 MHz Service Licenses," *Public Notice*, DA 98-1010 (rel. May 29, 1998).

discretion to use alternate methodologies for Auction No. 22 if circumstances warrant. We seek comment on these proposals.

d. Activity Rule Waivers and Reducing Eligibility

Use of an activity rule waiver preserves the bidder's current bidding eligibility despite the bidder's activity in the current round being below the required minimum level. An activity rule waiver applies to an entire round of bidding and not to a particular license. Activity waivers are principally a mechanism for auction participants to avoid the loss of auction eligibility in the event that exigent circumstances prevent them from placing a bid in a particular round.

The FCC auction system assumes that bidders with insufficient activity would prefer to use an activity rule waiver (if available) rather than lose bidding eligibility. Therefore, the system will automatically apply a waiver (known as an "automatic waiver") at the end of any bidding period where a bidder's activity level is below the minimum required unless: (1) there are no activity rule waivers available; or (2) the bidder overrides the automatic application of a waiver by reducing eligibility thereby meeting the minimum requirements.

A bidder with insufficient activity that wants to reduce its bidding eligibility rather than use an activity rule waiver must affirmatively override the automatic waiver mechanism during the bidding period by using the reduce eligibility function in the software. In this case, the bidder's eligibility is permanently reduced to bring the bidder into compliance with the activity rules as described above. Once eligibility has been reduced, a bidder will not be permitted to regain its lost bidding eligibility.

A bidder may proactively use an activity rule waiver as a means to keep the auction open without placing a bid. If a bidder submits a proactive waiver (using the proactive waiver function in the bidding software) during a bidding period in which no bids are submitted, the auction will remain open and the bidder's eligibility will be preserved. An automatic waiver invoked in a round in which there are no new valid bids will not keep the auction open.

We propose that each bidder in Auction No. 22 be provided with five activity rule waivers that may be used in any round during the course of the auction as set forth above. We seek comment on this proposal.

e. Information Regarding Bid Withdrawal and Bid Removal

In the *C Block Fourth Report and Order*, the Commission directed the Bureau, in conducting the upcoming C block auction, to follow the Part 1 rule on bid withdrawal, Section 1.2104(g), to the extent applicable.³¹ Accordingly, for Auction No. 22, we propose the following bid removal and bid withdrawal procedures. Before the close of a bidding period, a bidder has the option of removing any bids placed in that round. By using the remove bid function in the software, a bidder may effectively "unsubmit" any bid placed within that round. A bidder removing a bid placed in the same round is not subject to withdrawal payments.

Once a round closes, a bidder may no longer remove a bid. However, in the next round, a bidder may withdraw standing high bids from previous rounds using the withdraw bid function. A high bidder that withdraws its standing high bid from a previous round is subject to the bid withdrawal payment provisions.³² We seek comment on these bid removal and bid withdrawal procedures.

In the *Part 1 Third Report and Order*, the Commission recently explained that allowing bid withdrawals facilitates efficient aggregation of licenses and the pursuit of efficient backup strategies as information becomes available during the course of an auction. The Commission noted, however, that in some instances bidders may seek to withdraw bids for improper reasons, including to delay the close of the auction for strategic purposes. The Bureau, therefore, has discretion, in managing the auction, to limit the number of withdrawals to prevent strategic delay of the close of the auction or other abuses. The Commission stated that the Bureau should assertively exercise its discretion, consider limiting the number of rounds in which bidders may withdraw bids, and prevent bidders from bidding on a particular market if the Bureau finds that a bidder is abusing the Commission's bid withdrawal procedures.³³

Applying this reasoning, we propose to limit each bidder in Auction No. 22 to withdrawals in no more than two rounds during the course of the auction. To permit a bidder to withdraw bids in more than two rounds would likely encourage insincere bidding or the use of withdrawals for anti-competitive strategic purposes. The two rounds in which withdrawals are utilized will be at the bidder's discretion; withdrawals otherwise must be in accordance with the Commission's rules. There is no limit on the number of standing high bids that may be withdrawn in either of the rounds in which withdrawals are utilized. Withdrawals will remain subject to the bid withdrawal payment provisions specified in the Commission's rules. We seek comment on this proposal.

³¹ *C Block Fourth Report and Order* at para. 41; see 47 C.F.R. § 1.2104(g).

³² See 47 C.F.R. §§ 1.2104(g), 1.2109.

³³ *Part 1 Third Report and Order*, 13 FCC Rcd at 460 para. 150.

f. Stopping Rule

For Auction No. 22, the Bureau proposes to employ a simultaneous stopping approach. The Bureau has discretion "to establish stopping rules before or during multiple round auctions in order to terminate the auction within a reasonable time."³⁴ A simultaneous stopping rule means that all licenses remain open until the first round in which no new acceptable bids, proactive waivers, or withdrawals are received. After the first such round, bidding closes simultaneously on all licenses. Thus, unless circumstances dictate otherwise, bidding would remain open on all licenses until bidding stops on every license.

The Bureau seeks comment on a modified version of the simultaneous stopping rule. The modified stopping rule would close the auction for all licenses after the first round in which no bidder submits a proactive waiver, a withdrawal, or a new bid on any license on which it is not the standing high bidder. Thus, absent any other bidding activity, a bidder placing a new bid on a license for which it is the standing high bidder would not keep the auction open under this modified stopping rule. The Bureau further seeks comment on whether this modified stopping rule should be used unilaterally or only in stage three of the auction.

We propose that the Bureau retain the discretion to keep an auction open even if no new acceptable bids or proactive waivers are submitted and no previous high bids are withdrawn. In this event, the effect will be the same as if a bidder had submitted a proactive waiver. The activity rule, therefore, will apply as usual; and a bidder with insufficient activity will either lose bidding eligibility or use a remaining activity rule waiver.

Finally, we propose that the Bureau reserve the right to declare that the auction will end after a specified number of additional rounds ("special stopping rule"). If the Bureau invokes this special stopping rule, it will accept bids in the final round(s) only for licenses on which the high bid increased in at least one of the preceding specified number of rounds. The Bureau proposes to exercise this option only in certain circumstances, such as, for example, where the auction is proceeding very slowly, there is minimal overall bidding activity, or it appears likely that the auction will not close within a reasonable period of time. Before exercising this option, the Bureau is likely to attempt to increase the pace of the auction by, for example, moving the auction into the next stage (where bidders would be required to maintain a higher level of bidding activity), increasing the number of bidding rounds per day, and/or increasing the amount of the minimum bid increments for the limited number of licenses where there is still a high level of bidding activity. We seek comment on these proposals.

g. Information Relating to Auction Delay, Suspension or Cancellation

For Auction No. 22, we propose that, by public notice or by announcement during the auction, the Bureau may delay, suspend or cancel the auction in the event of natural disaster, technical

³⁴ 47 C.F.R. § 1.2104(e).

obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or for any other reason that affects the fair and competitive conduct of competitive bidding.³⁵ In such cases, the Bureau, in its sole discretion, may elect to: resume the auction starting from the beginning of the current round; resume the auction starting from some previous round; or cancel the auction in its entirety. Network interruption may cause the Bureau to delay or suspend the auction. We emphasize that exercise of this authority is solely within the discretion of the Bureau, and its use is not intended to be a substitute for situations in which bidders may wish to apply their activity rule waivers. We seek comment on this proposal.

V. Conclusion

Comments are due on or before November 30, 1998, and reply comments are due on or before December 7, 1998. To file formally, parties must submit an original and four copies to the Office of the Secretary, Federal Communications Commission, Room 222, 1919 M Street N.W., Washington, D.C. 20554. In addition, parties must submit one copy to Amy Zoslov, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, Room 5202, 2025 M Street N.W., Washington, D.C. 20554. Comments and reply comments will be available for public inspection during regular business hours in the FCC Public Reference Room, Room 239, 1919 M Street N.W., Washington, D.C. 20554.

For further information concerning this proceeding, contact Audrey Bashkin, Bob Reagle, or Jeff Garretson, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, at (202) 418-0660.

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³⁵ See 47 C.F.R. § 1.2104(i).

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B001	Aberdeen, SD	PBB001C	30	88,891	\$411,666.00	5	1	\$160,004.00	\$160,004.00
B002	Aberdeen, WA	PBB002C2	15	83,057	\$471,750.00	5	1	\$74,752.00	\$74,752.00
B003	Abilene, TX	PBB003C2	15	253,174	\$4,024,583.25	5	1	\$227,857.00	\$227,857.00
B004	Ada, OK	PBB004C	30	52,677	\$783,000.00	5	1	\$94,819.00	\$94,819.00
B005	Adrian, MI	PBB005C	30	91,476	\$701,250.00	5	2	\$164,657.00	\$164,657.00
B006	Albany, GA	PBB006C2	15	324,899	\$4,839,750.75	5	1	\$292,410.00	\$292,410.00
B008	Albuquerque, NM	PBB008C2	15	688,612	\$33,322,500.00	10	1	\$619,751.00	\$1,666,125.00
B009	Alexandria, LA	PBB009C2	15	280,133	\$5,230,575.00	5	1	\$252,120.00	\$261,529.00
B011	Alpena, MI	PBB011C	30	63,429	\$475,500.00	5	1	\$114,173.00	\$114,173.00
B012	Altoona, PA	PBB012C1	15	222,625	\$2,218,500.00	5	4a	\$200,363.00	\$200,363.00
B012	Altoona, PA	PBB012C2	15	222,625	\$2,218,500.00	5	1	\$200,363.00	\$200,363.00
B013	Amarillo, TX	PBB013C	30	380,341	\$7,252,500.00	5	1	\$684,614.00	\$725,250.00
B014	Anchorage, AK	PBB014C	30	388,943	\$4,922,250.00	5	1	\$700,098.00	\$700,098.00
B015	Anderson, IN	PBB015C	30	178,808	\$2,083,711.50	5	1	\$321,855.00	\$321,855.00
B017	Anniston, AL	PBB017C2	15	161,897	\$1,489,728.75	5	1	\$145,708.00	\$145,708.00
B019	Ardmore, OK	PBB019C	30	83,979	\$1,653,750.00	5	1	\$151,163.00	\$165,375.00
B021	Ashtabula, OH	PBB021C	30	99,821	\$900,000.00	5	3b	\$179,678.00	\$179,678.00
B023	Athens, OH	PBB023C	30	123,864	\$1,356,825.00	5	1	\$222,956.00	\$222,956.00
B025	Atlantic City, NJ	PBB025C2	15	319,416	\$14,625,011.25	5	1	\$287,475.00	\$731,251.00
B026	Augusta, GA	PBB026C	30	521,822	\$13,067,250.00	5	1	\$939,280.00	\$1,306,725.00
B028	Bakersfield, CA	PBB028C	30	543,477	\$26,941,575.00	5	1	\$978,259.00	\$2,694,158.00
B030	Bangor, ME	PBB030C2	15	316,838	\$4,130,250.00	5	1	\$285,155.00	\$285,155.00
B031	Bartlesville, OK	PBB031C2	15	48,066	\$214,501.50	5	1	\$43,260.00	\$43,260.00
B032	Baton Rouge, LA	PBB032C	30	623,657	\$25,515,000.00	5	1	\$1,122,583.00	\$2,551,500.00
B033	Battle Creek, MI	PBB033C	30	227,541	\$6,284,250.00	5	2	\$409,574.00	\$628,425.00
B034	Beaumont, TX	PBB034C	30	432,129	\$15,083,250.00	5	1	\$777,833.00	\$1,508,325.00
B035	Beckley, WV	PBB035C	30	167,112	\$731,257.50	5	1	\$300,802.00	\$300,802.00
B037	Bemidji, MN	PBB037C2	15	57,632	\$270,000.00	5	1	\$51,869.00	\$51,869.00
B038	Bend, OR	PBB038C	30	102,745	\$1,666,500.00	5	1	\$184,941.00	\$184,941.00
B039	Benton Harbor, MI	PBB039C	30	161,378	\$4,206,000.00	5	1	\$290,481.00	\$420,600.00
B040	Big Spring, TX	PBB040C2	15	34,589	\$650,625.75	5	1	\$31,131.00	\$32,532.00
B043	Binghamton, NY	PBB043C2	15	356,645	\$6,902,253.75	5	1	\$320,981.00	\$345,113.00
B044	Birmingham, AL	PBB044C2	15	1,200,336	\$47,250,235.50	5	1	\$1,080,303.00	\$2,362,512.00
B045	Bismark, ND	PBB045C	30	123,682	\$557,274.75	5	1	\$222,628.00	\$222,628.00
B046	Bloomington, IL	PBB046C	30	215,795	\$5,391,000.00	5	2	\$388,431.00	\$539,100.00
B048	Bluefield, WV	PBB048C	30	184,020	\$1,458,750.75	5	1	\$331,236.00	\$331,236.00
B049	Blytheville, AR	PBB049C	30	79,446	\$471,750.00	5	1	\$143,003.00	\$143,003.00
B050	Boise, ID	PBB050C	30	416,503	\$7,742,325.00	5	1	\$749,706.00	\$774,233.00
B052	Bowling Green, KY	PBB052C	30	222,748	\$3,783,750.00	5	3a	\$400,947.00	\$400,947.00
B053	Bozeman, MT	PBB053C	30	65,077	\$1,714,500.75	5	1	\$117,139.00	\$171,451.00
B054	Brainerd, MN	PBB054C2	15	78,465	\$333,300.75	5	1	\$70,619.00	\$70,619.00
B055	Bremerton, WA	PBB055C2	15	189,731	\$9,202,500.00	10	1	\$170,758.00	\$460,125.00
B057	Brownwood, TX	PBB057C	30	57,684	\$976,500.00	5	1	\$103,832.00	\$103,832.00
B058	Brunswick, GA	PBB058C2	15	71,130	\$1,232,325.00	5	1	\$64,017.00	\$64,017.00
B060	Buffalo, NY	PBB060C	30	1,231,795	\$34,326,011.25	5	1	\$2,217,231.00	\$3,432,602.00
B063	Burlington, VT	PBB063C2	15	369,128	\$8,721,000.00	5	1	\$332,216.00	\$436,050.00
B064	Butte, MT	PBB064C	30	65,252	\$260,832.75	5	1	\$117,454.00	\$117,454.00
B065	Canton, OH	PBB065C	30	513,623	\$8,987,250.00	5	1	\$924,522.00	\$924,522.00
B066	Cape Girardeau, MO	PBB066C	30	181,795	\$2,502,750.00	5	1	\$327,231.00	\$327,231.00
B067	Carbondale, IL	PBB067C	30	209,497	\$2,370,750.00	5	2	\$377,095.00	\$377,095.00

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B068	Carlsbad, NM	PBB068C	30	48,605	\$521,250.00	5	1	\$87,489.00	\$87,489.00
B069	Casper, WY	PBB069C	30	135,172	\$1,531,500.00	5	1	\$243,310.00	\$243,310.00
B071	Champaign, IL	PBB071C	30	222,312	\$6,065,250.00	5	2	\$400,162.00	\$606,525.00
B073	Charleston, WV	PBB073C2	15	481,387	\$7,925,250.75	5	1	\$433,249.00	\$433,249.00
B076	Chattanooga, TN	PBB076C2	15	510,860	\$15,966,000.00	5	1	\$459,774.00	\$798,300.00
B077	Cheyenne, WY	PBB077C	30	103,939	\$3,684,750.00	5	1	\$187,091.00	\$368,475.00
B078	Chicago, IL	PBB078C	30	8,182,076	\$461,009,045.25	5	2	\$14,727,737.00	\$46,100,905.00
B080	Chillicothe, OH	PBB080C2	15	93,579	\$1,612,500.00	5	1	\$84,222.00	\$84,222.00
B083	Clarksville, TN	PBB083C2	15	220,469	\$4,177,768.50	5	1	\$198,423.00	\$208,889.00
B087	Clovis, NM	PBB087C2	15	71,024	\$375,006.75	5	1	\$63,922.00	\$63,922.00
B088	Coffeyville, KS	PBB088C2	15	63,504	\$435,549.00	5	1	\$57,154.00	\$57,154.00
B089	Colorado Spring, CO	PBB089C	30	409,482	\$17,169,777.00	10	4b	\$737,068.00	\$1,716,978.00
B090	Columbia, MO	PBB090C	30	190,536	\$3,518,250.00	5	2	\$342,965.00	\$351,825.00
B092	Columbus, GA	PBB092C	30	342,333	\$5,265,000.00	5	1	\$616,200.00	\$616,200.00
B094	Columbus, MS	PBB094C2	15	166,415	\$2,343,750.00	5	1	\$149,774.00	\$149,774.00
B096	Cookeville, TN	PBB096C2	15	117,613	\$1,306,554.00	5	1	\$105,852.00	\$105,852.00
B098	Corbin, KY	PBB098C2	15	128,186	\$2,205,750.00	5	1	\$115,368.00	\$115,368.00
B099	Corpus Christi, TX	PBB099C	30	499,988	\$10,306,508.25	5	1	\$899,979.00	\$1,030,651.00
B100	Cumberland, MD	PBB100C	30	156,707	\$2,516,250.00	5	1	\$282,073.00	\$282,073.00
B101	Dallas, TX	PBB101C	30	4,329,924	\$291,023,250.00	5	2	\$7,793,864.00	\$29,102,325.00
B102	Dalton, GA	PBB102C	30	98,609	\$1,221,000.00	5	1	\$177,497.00	\$177,497.00
B103	Danville, IL	PBB103C2	15	114,241	\$1,894,256.25	5	1	\$102,817.00	\$102,817.00
B104	Danville, VA	PBB104C	30	165,434	\$6,534,753.75	5	1	\$297,782.00	\$653,476.00
B105	Davenport, IA	PBB105C	30	419,650	\$13,889,250.00	5	1	\$755,370.00	\$1,388,925.00
B107	Daytona Beach, FL	PBB107C	30	399,413	\$18,351,000.00	5	1	\$718,944.00	\$1,835,100.00
B108	Decatur, AL	PBB108C2	15	131,556	\$2,901,158.25	5	1	\$118,401.00	\$145,058.00
B109	Decatur, IL	PBB109C	30	247,608	\$6,142,500.00	5	2	\$445,695.00	\$614,250.00
B111	Des Moines, IA	PBB111C	30	728,830	\$19,164,750.00	5	1	\$1,311,894.00	\$1,916,475.00
B112	Detroit, MI	PBB112C	30	4,705,164	\$172,738,500.00	5	2	\$8,469,296.00	\$17,273,850.00
B113	Dickinson, ND	PBB113C	30	38,001	\$205,500.75	5	1	\$68,402.00	\$68,402.00
B115	Dothan, AL	PBB115C2	15	210,225	\$4,518,000.75	5	1	\$189,203.00	\$225,901.00
B116	Dover, DE	PBB116C2	15	251,257	\$8,798,261.25	5	1	\$226,132.00	\$439,914.00
B117	Du Bois, PA	PBB117C2	15	124,180	\$1,656,757.50	5	1	\$111,762.00	\$111,762.00
B118	Dubuque, IA	PBB118C	30	176,542	\$5,328,000.00	5	1	\$317,776.00	\$532,800.00
B120	Dyersburg, TN	PBB120C2	15	113,943	\$1,238,475.00	5	1	\$102,549.00	\$102,549.00
B121	Eagle Pass, TX	PBB121C	30	100,813	\$941,250.00	5	1	\$181,464.00	\$181,464.00
B122	East Liverpool, OH	PBB122C	30	108,276	\$585,037.50	5	1	\$194,897.00	\$194,897.00
B124	El Centro, CA	PBB124C	30	109,303	\$5,362,500.00	5	1	\$196,746.00	\$536,250.00
B125	El Dorado, AR	PBB125C	30	108,810	\$846,000.00	5	1	\$195,858.00	\$195,858.00
B126	Elkhart, IN	PBB126C	30	235,152	\$6,620,250.00	5	1	\$423,274.00	\$662,025.00
B127	Elmira, NY	PBB127C2	15	315,038	\$4,163,325.00	5	1	\$283,535.00	\$283,535.00
B130	Enid, OK	PBB130C	30	85,998	\$285,750.00	5	1	\$154,797.00	\$154,797.00
B131	Erie, PA	PBB131C	30	275,572	\$6,870,750.00	5	1	\$496,030.00	\$687,075.00
B132	Escanaba, MI	PBB132C	30	46,082	\$1,257,750.00	5	1	\$82,948.00	\$125,775.00
B133	Eugene, OR	PBB133C	30	282,912	\$15,066,000.00	10	1	\$509,242.00	\$1,506,600.00
B134	Eureka, CA	PBB134C2	15	142,578	\$1,181,325.00	5	1	\$128,321.00	\$128,321.00
B136	Fairbanks, AK	PBB136C	30	92,111	\$562,500.00	5	1	\$165,800.00	\$165,800.00
B137	Fairmont, WV	PBB137C	30	57,249	\$526,500.00	5	1	\$103,049.00	\$103,049.00
B138	Fargo, ND	PBB138C2	15	298,015	\$6,776,475.75	5	1	\$268,214.00	\$338,824.00
B139	Farmington, NM	PBB139C2	15	162,776	\$4,221,750.00	5	1	\$146,499.00	\$211,088.00

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B140	Fayetteville, AR	PBB140C	30	222,526	\$2,282,250.00	5	2	\$400,547.00	\$400,547.00
B142	Fergus Falls, MN	PBB142C2	15	120,167	\$527,026.50	5	1	\$108,151.00	\$108,151.00
B143	Findlay, OH	PBB143C	30	147,523	\$1,996,162.50	5	1	\$265,542.00	\$265,542.00
B144	Flagstaff, AZ	PBB144C	30	96,591	\$3,506,250.00	5	1	\$173,864.00	\$350,625.00
B145	Flint, MI	PBB145C	30	500,229	\$8,615,250.00	5	2	\$900,413.00	\$900,413.00
B146	Florence, AL	PBB146C2	15	173,076	\$2,997,148.50	5	1	\$155,769.00	\$155,769.00
B149	Ft Collins, CO	PBB149C	30	186,136	\$6,450,001.00	10	4b	\$335,045.00	\$645,001.00
B153	Ft Smith, AR	PBB153C	30	282,187	\$4,660,500.75	5	2	\$507,937.00	\$507,937.00
B155	Ft Wayne, IN	PBB155C	30	646,736	\$19,629,961.50	5	1	\$1,164,125.00	\$1,962,997.00
B156	Fredericksburg, VA	PBB156C	30	124,654	\$6,122,253.75	5	1	\$224,378.00	\$612,226.00
B157	Fresno, CA	PBB157C	30	755,580	\$47,026,575.00	5	1	\$1,360,044.00	\$4,702,658.00
B158	Gadsden, AL	PBB158C2	15	174,034	\$1,606,013.25	5	1	\$156,631.00	\$156,631.00
B162	Gallup, NM	PBB162C2	15	122,277	\$1,817,250.00	5	1	\$110,050.00	\$110,050.00
B163	Garden City, KS	PBB163C	30	65,059	\$364,500.00	5	1	\$117,107.00	\$117,107.00
B164	Glens Falls, NY	PBB164C	30	118,539	\$1,650,000.00	5	3b	\$213,371.00	\$213,371.00
B166	Grand Forks, ND	PBB166C2	15	213,932	\$1,899,083.25	5	1	\$192,539.00	\$192,539.00
B167	Grand Island, NE	PBB167C2	15	141,541	\$4,447,500.00	5	1	\$127,387.00	\$222,375.00
B168	Grand Junction, CO	PBB168C	30	187,062	\$4,879,500.00	5	1	\$336,712.00	\$487,950.00
B169	Grand Rapids, MI	PBB169C	30	916,060	\$30,267,750.00	5	2	\$1,648,908.00	\$3,026,775.00
B170	Great Bend, KS	PBB170C	30	40,779	\$191,250.00	5	1	\$73,403.00	\$73,403.00
B171	Great Falls, MT	PBB171C	30	161,038	\$639,999.75	5	1	\$289,869.00	\$289,869.00
B172	Greeley, CO	PBB172C	30	131,821	\$3,840,750.00	5	1	\$237,278.00	\$384,075.00
B175	Greenville, MS	PBB175C2	15	213,943	\$1,064,250.00	5	1	\$192,549.00	\$192,549.00
B180	Hammond, LA	PBB180C	30	95,583	\$2,466,075.00	5	1	\$172,050.00	\$246,608.00
B181	Harrisburg, PA	PBB181C	30	654,808	\$17,457,761.25	5	1	\$1,178,655.00	\$1,745,777.00
B182	Harrison, AR	PBB182C2	15	74,459	\$394,500.00	5	1	\$67,014.00	\$67,014.00
B183	Harrisonburg, VA	PBB183C2	15	128,910	\$1,812,453.75	5	1	\$116,019.00	\$116,019.00
B184	Hartford, CT	PBB184C	30	1,123,678	\$51,321,750.00	5	1	\$2,022,621.00	\$5,132,175.00
B185	Hastings, NE	PBB185C	30	72,833	\$930,075.75	5	1	\$131,100.00	\$131,100.00
B187	Hays, KS	PBB187C	30	60,926	\$492,000.00	5	1	\$109,667.00	\$109,667.00
B188	Helena, MT	PBB188C	30	58,752	\$1,158,000.00	5	1	\$105,754.00	\$115,800.00
B190	Hilo, HI	PBB190C	30	120,317	\$3,611,262.00	5	2	\$216,571.00	\$361,127.00
B191	Hobbs, NM	PBB191C2	15	55,765	\$445,506.75	5	1	\$50,189.00	\$50,189.00
B192	Honolulu, HI	PBB192C	30	836,231	\$53,594,250.00	5	2	\$1,505,216.00	\$5,359,425.00
B193	Hot Springs, AR	PBB193C2	15	117,439	\$1,886,250.00	5	1	\$105,696.00	\$105,696.00
B194	Houghton, MI	PBB194C	30	45,101	\$180,375.00	5	1	\$81,182.00	\$81,182.00
B195	Houma, LA	PBB195C	30	263,681	\$6,640,500.00	5	2	\$474,626.00	\$664,050.00
B197	Huntington, WV	PBB197C	30	363,936	\$4,972,500.00	5	1	\$655,085.00	\$655,085.00
B198	Huntsville, AL	PBB198C2	15	439,832	\$13,091,408.25	5	1	\$395,849.00	\$654,571.00
B199	Huron, SD	PBB199C	30	53,189	\$384,000.00	5	1	\$95,741.00	\$95,741.00
B201	Hyannis, MA	PBB201C	30	204,256	\$9,000,000.00	5	1	\$367,661.00	\$900,000.00
B202	Idaho Falls, ID	PBB202C	30	190,267	\$4,440,750.00	5	1	\$342,481.00	\$444,075.00
B203	Indiana, PA	PBB203C2	15	89,994	\$1,076,257.50	5	1	\$80,995.00	\$80,995.00
B205	Iowa City, IA	PBB205C	30	115,731	\$2,564,250.00	5	1	\$208,316.00	\$256,425.00
B206	Iron Mountain, MI	PBB206C	30	44,596	\$318,750.00	5	1	\$80,273.00	\$80,273.00
B207	Ironwood, MI	PBB207C	30	33,059	\$198,356.25	5	1	\$59,507.00	\$59,507.00
B208	Ithaca, NY	PBB208C2	15	94,097	\$2,325,003.75	5	1	\$84,688.00	\$116,251.00
B209	Jackson, MI	PBB209C	30	193,187	\$1,974,000.00	5	2	\$347,737.00	\$347,737.00
B210	Jackson, MS	PBB210C2	15	615,521	\$18,126,000.00	5	1	\$553,969.00	\$906,300.00
B211	Jackson, TN	PBB211C2	15	255,379	\$2,882,442.00	5	1	\$229,842.00	\$229,842.00

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B213	Jacksonville, IL	PBB213C2	15	70,795	\$300,000.00	5	1	\$63,716.00	\$63,716.00
B215	Jamestown, NY	PBB215C	30	186,945	\$3,793,500.00	5	1	\$336,501.00	\$379,350.00
B217	Jefferson City, MO	PBB217C	30	141,404	\$2,122,500.00	5	1	\$254,528.00	\$254,528.00
B218	Johnstown, PA	PBB218C	30	241,247	\$2,479,999.50	5	1	\$434,245.00	\$434,245.00
B219	Jonesboro, AR	PBB219C	30	159,439	\$1,853,250.00	5	2	\$286,991.00	\$286,991.00
B221	Juneau, AK	PBB221C	30	68,989	\$622,612.50	5	1	\$124,181.00	\$124,181.00
B222	Kahului, HI	PBB222C	30	100,504	\$7,752,000.00	5	1	\$180,908.00	\$775,200.00
B223	Kalamazoo, MI	PBB223C	30	352,384	\$8,403,000.00	5	2	\$634,292.00	\$840,300.00
B224	Kalispell, MT	PBB224C	30	59,218	\$715,500.75	5	1	\$106,593.00	\$106,593.00
B225	Kankakee, IL	PBB225C	30	127,042	\$912,202.50	5	2	\$228,676.00	\$228,676.00
B227	Keene, NH	PBB227C	30	111,709	\$3,795,000.00	5	1	\$201,077.00	\$379,500.00
B228	Kenewick, WA	PBB228C2	15	150,033	\$1,437,750.00	5	1	\$135,030.00	\$135,030.00
B229	Kingsport, TN	PBB229C2	15	652,639	\$8,524,848.00	5	1	\$587,376.00	\$587,376.00
B230	Kirksville, MO	PBB230C	30	55,563	\$287,250.00	5	1	\$100,014.00	\$100,014.00
B232	Knoxville, TN	PBB232C2	15	948,055	\$23,865,315.75	5	1	\$853,250.00	\$1,193,266.00
B233	Kokomo, IN	PBB233C2	15	184,899	\$3,926,846.25	5	1	\$166,410.00	\$196,343.00
B236	Lafayette, LA	PBB236C	30	496,579	\$15,265,500.00	5	1	\$893,843.00	\$1,526,550.00
B237	La Grange, GA	PBB237C2	15	64,164	\$864,750.75	5	1	\$57,748.00	\$57,748.00
B240	Lancaster, PA	PBB240C	30	422,822	\$13,198,416.00	5	1	\$761,080.00	\$1,319,842.00
B242	Laredo, TX	PBB242C	30	152,881	\$6,799,582.50	5	1	\$275,186.00	\$679,959.00
B243	Las Salle, IL	PBB243C	30	148,331	\$1,930,500.00	5	2	\$266,996.00	\$266,996.00
B245	Las Vegas, NV	PBB245C	30	857,856	\$57,118,575.75	5	2	\$1,544,141.00	\$5,711,858.00
B247	Lawrence, KS	PBB247C	30	81,798	\$2,991,000.00	5	1	\$147,237.00	\$299,100.00
B249	Lebanon, NH	PBB249C	30	167,576	\$4,451,261.25	5	1	\$301,637.00	\$445,127.00
B250	Lewiston, ID	PBB250C	30	110,028	\$537,075.00	5	1	\$198,051.00	\$198,051.00
B251	Lewiston, ME	PBB251C2	15	221,697	\$4,626,000.00	5	1	\$199,528.00	\$231,300.00
B253	Liberal, KS	PBB253C	30	53,960	\$318,750.00	5	1	\$97,128.00	\$97,128.00
B254	Lihue, HI	PBB254C	30	51,177	\$2,512,500.00	5	1	\$92,119.00	\$251,250.00
B255	Lima, OH	PBB255C	30	249,734	\$3,426,000.00	5	2	\$449,522.00	\$449,522.00
B256	Lincoln, NE	PBB256C2	15	309,515	\$7,657,871.25	5	1	\$278,564.00	\$382,894.00
B257	Little Rock, AR	PBB257C	30	852,026	\$22,610,250.00	5	2	\$1,533,647.00	\$2,261,025.00
B258	Logan, UT	PBB258C	30	79,415	\$276,825.00	5	1	\$142,947.00	\$142,947.00
B259	Logan, WV	PBB259C	30	43,032	\$639,000.00	5	1	\$77,458.00	\$77,458.00
B260	Longview, TX	PBB260C	30	292,659	\$4,059,000.00	5	2	\$526,787.00	\$526,787.00
B264	Lubbock, TX	PBB264C2	15	392,901	\$4,385,333.25	5	1	\$353,611.00	\$353,611.00
B265	Lufkin, TX	PBB265C	30	144,081	\$2,840,250.00	5	1	\$259,346.00	\$284,025.00
B266	Lynchburg, VA	PBB266C	30	154,497	\$6,144,000.75	5	1	\$278,095.00	\$614,401.00
B267	McAlester, OK	PBB267C	30	50,914	\$774,000.00	5	1	\$91,646.00	\$91,646.00
B269	McComb, MS	PBB269C	30	107,298	\$2,424,000.00	5	1	\$193,137.00	\$242,400.00
B270	McCook, NE	PBB270C2	15	36,618	\$671,962.50	5	1	\$32,957.00	\$33,599.00
B271	Macon, GA	PBB271C	30	589,208	\$11,700,075.75	5	1	\$1,060,575.00	\$1,170,008.00
B273	Madisonville, KY	PBB273C	30	46,126	\$692,250.00	5	3a	\$83,027.00	\$83,027.00
B275	Manhattan, KS	PBB275C	30	122,878	\$2,910,000.00	5	1	\$221,181.00	\$291,000.00
B277	Mankato, MN	PBB277C	30	245,144	\$4,216,500.00	5	1	\$441,260.00	\$441,260.00
B278	Mansfield, OH	PBB278C	30	221,514	\$5,541,000.00	5	1	\$398,726.00	\$554,100.00
B279	Marinette, WI	PBB279C	30	65,468	\$1,604,250.00	5	1	\$117,843.00	\$160,425.00
B280	Marion, IN	PBB280C2	15	109,238	\$2,374,496.25	5	1	\$98,315.00	\$118,725.00
B281	Marion, OH	PBB281C	30	92,023	\$1,211,250.00	5	1	\$165,642.00	\$165,642.00
B282	Marquette, MI	PBB282C	30	79,859	\$1,252,500.00	5	1	\$143,747.00	\$143,747.00
B284	Martinsville, VA	PBB284C2	15	90,577	\$1,434,000.00	5	1	\$81,520.00	\$81,520.00

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B286	Mattoon, IL	PBB286C	30	62,314	\$434,325.00	5	1	\$112,166.00	\$112,166.00
B287	Meadville, PA	PBB287C2	15	86,169	\$1,343,253.75	5	1	\$77,553.00	\$77,553.00
B288	Medford, OR	PBB288C	30	209,038	\$4,284,750.00	5	1	\$376,269.00	\$428,475.00
B290	Memphis, TN	PBB290C2	15	1,396,390	\$52,327,500.00	5	1	\$1,256,751.00	\$2,616,375.00
B291	Merced, CA	PBB291C2	15	192,705	\$3,532,575.00	5	1	\$173,435.00	\$176,629.00
B292	Meridian, MS	PBB292C2	15	200,024	\$6,744,750.00	5	1	\$180,022.00	\$337,238.00
B294	Michigan City, IN	PBB294C	30	107,066	\$886,500.00	5	2	\$192,719.00	\$192,719.00
B295	Middlesboro, KY	PBB295C2	15	121,217	\$1,681,514.25	5	1	\$109,096.00	\$109,096.00
B296	Midland, TX	PBB296C2	15	111,567	\$2,328,084.00	5	1	\$100,411.00	\$116,405.00
B299	Minot, ND	PBB299C	30	122,687	\$251,666.25	5	1	\$220,837.00	\$220,837.00
B300	Missoula, MT	PBB300C	30	139,270	\$789,000.00	5	1	\$250,686.00	\$250,686.00
B301	Mitchell, SD	PBB301C	30	84,095	\$399,000.00	5	1	\$151,371.00	\$151,371.00
B303	Modesto, CA	PBB303C2	15	418,978	\$12,320,325.00	5	1	\$377,081.00	\$616,017.00
B304	Monroe, LA	PBB304C2	15	324,397	\$6,591,750.00	5	1	\$291,958.00	\$329,588.00
B305	Montgomery, AL	PBB305C2	15	440,745	\$13,493,250.00	5	1	\$396,671.00	\$674,663.00
B306	Morgantown, WV	PBB306C2	15	104,546	\$579,000.00	5	1	\$94,092.00	\$94,092.00
B308	Mt Vernon, IL	PBB308C	30	119,286	\$1,353,000.00	5	2	\$214,715.00	\$214,715.00
B309	Muncie, IN	PBB309C	30	182,386	\$2,396,461.50	5	1	\$328,295.00	\$328,295.00
B310	Muskegon, MI	PBB310C	30	206,974	\$2,658,750.00	5	2	\$372,554.00	\$372,554.00
B311	Muskogee, OK	PBB311C2	15	148,267	\$5,904,750.75	5	1	\$133,441.00	\$295,238.00
B314	Nashville, TN	PBB314C2	15	1,429,309	\$60,122,953.50	5	1	\$1,286,379.00	\$3,006,148.00
B315	Natchez, MS	PBB315C	30	73,214	\$741,000.00	5	1	\$131,786.00	\$131,786.00
B317	New Castle, PA	PBB317C2	15	96,246	\$2,187,000.00	5	1	\$86,622.00	\$109,350.00
B320	New Orleans, LA	PBB320C	30	1,367,169	\$52,815,000.00	5	2	\$2,460,905.00	\$5,281,500.00
B322	Nogales, AZ	PBB322C	30	29,676	\$1,240,500.00	5	1	\$53,417.00	\$124,050.00
B323	Norfolk, NE	PBB323C	30	112,526	\$814,500.00	5	1	\$202,547.00	\$202,547.00
B325	North Platte, NE	PBB325C2	15	80,249	\$1,549,346.25	5	1	\$72,225.00	\$77,468.00
B326	Ocala, FL	PBB326C2	15	194,833	\$5,764,500.00	5	1	\$175,350.00	\$288,225.00
B327	Odessa, TX	PBB327C2	15	213,420	\$3,658,505.25	5	1	\$192,078.00	\$192,078.00
B328	Oil City, PA	PBB328C2	15	105,882	\$1,424,257.50	5	1	\$95,294.00	\$95,294.00
B330	Olean, NY	PBB330C	30	239,343	\$4,697,250.00	5	1	\$430,818.00	\$469,725.00
B332	Omaha, NE	PBB332C	30	905,991	\$25,310,475.00	5	2	\$1,630,784.00	\$2,531,048.00
B333	Oneonta, NY	PBB333C2	15	107,742	\$1,954,539.75	5	1	\$96,968.00	\$97,727.00
B334	Opelika, AL	PBB334C2	15	124,022	\$891,749.25	5	1	\$111,620.00	\$111,620.00
B338	Owensboro, KY	PBB338C	30	157,104	\$2,468,250.00	5	3a	\$282,788.00	\$282,788.00
B339	Paducah, KY	PBB339C	30	217,082	\$2,417,250.00	5	3a	\$390,748.00	\$390,748.00
B340	Panama City, FL	PBB340C2	15	171,195	\$4,110,000.00	5	1	\$154,076.00	\$205,500.00
B341	Paris, TX	PBB341C	30	89,422	\$2,292,750.00	5	1	\$160,960.00	\$229,275.00
B342	Parkersburg, WV	PBB342C	30	180,025	\$1,896,000.00	5	1	\$324,045.00	\$324,045.00
B344	Peoria, IL	PBB344C	30	455,643	\$13,511,250.00	5	1	\$820,158.00	\$1,351,125.00
B345	Petoskey, MI	PBB345C2	15	85,863	\$528,000.00	5	1	\$77,277.00	\$77,277.00
B346	Philadelphia, PA	PBB346C2	15	5,899,345	\$320,238,761.25	5	1	\$5,309,411.00	\$16,011,939.00
B347	Phoenix, AZ	PBB347C	30	2,404,760	\$213,807,750.00	10	1	\$4,328,568.00	\$21,380,775.00
B348	Pine Bluff, AR	PBB348C	30	152,918	\$1,530,750.00	5	1	\$275,253.00	\$275,253.00
B351	Pittsfield, MA	PBB351C	30	139,352	\$3,002,261.25	5	1	\$250,834.00	\$300,227.00
B352	Plattsburgh, NY	PBB352C	30	123,121	\$1,282,500.00	5	3b	\$221,618.00	\$221,618.00
B353	Pocatello, ID	PBB353C	30	89,651	\$1,020,000.00	5	1	\$161,372.00	\$161,372.00
B355	Poplar Bluff, MO	PBB355C	30	148,240	\$1,381,500.00	5	2	\$266,832.00	\$266,832.00
B356	Port Angeles, WA	PBB356C2	15	76,610	\$597,150.00	5	1	\$68,949.00	\$68,949.00
B359	Portsmouth, OH	PBB359C	30	93,356	\$1,253,250.00	5	1	\$168,041.00	\$168,041.00

ATTACHMENT A
Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
B360	Pottsville, PA	PBB360C	30	152,585	\$4,561,511.25	5	1	\$274,653.00	\$456,152.00
B362	Prescott, AZ	PBB362C	30	107,714	\$4,575,000.00	5	1	\$193,886.00	\$457,500.00
B363	Presque Isle, ME	PBB363C	30	86,936	\$562,500.00	5	1	\$156,485.00	\$156,485.00
B365	Provo, UT	PBB365C	30	269,407	\$6,678,075.00	5	1	\$484,933.00	\$667,808.00
B366	Pueblo, CO	PBB366C	30	266,001	\$4,991,674.50	5	1	\$478,802.00	\$499,168.00
B367	Quincy, IL	PBB367C	30	177,213	\$1,531,500.00	5	1	\$318,984.00	\$318,984.00
B369	Rapid City, SD	PBB369C	30	181,278	\$1,470,000.75	5	1	\$326,301.00	\$326,301.00
B370	Reading, PA	PBB370C2	15	336,523	\$15,030,761.25	5	1	\$302,871.00	\$751,539.00
B371	Redding, CA	PBB371C2	15	253,255	\$4,500,825.00	5	1	\$227,930.00	\$227,930.00
B372	Reno, NV	PBB372C	30	439,279	\$27,802,575.00	5	1	\$790,703.00	\$2,780,258.00
B373	Richmond, IN	PBB373C	30	104,942	\$855,000.00	5	3b	\$188,896.00	\$188,896.00
B378	Rochester, MN	PBB378C	30	233,167	\$4,389,000.00	5	1	\$419,701.00	\$438,900.00
B379	Rochester, NY	PBB379C	30	1,118,963	\$27,255,011.25	5	1	\$2,014,134.00	\$2,725,502.00
B380	Rockford, IL	PBB380C	30	412,120	\$14,433,000.00	5	2	\$741,816.00	\$1,443,300.00
B381	Rock Springs, WY	PBB381C	30	56,981	\$849,000.00	5	1	\$102,566.00	\$102,566.00
B383	Rolla, MO	PBB383C	30	98,233	\$804,750.00	5	1	\$176,820.00	\$176,820.00
B384	Rome, GA	PBB384C	30	115,066	\$1,584,000.00	5	1	\$207,119.00	\$207,119.00
B385	Roseburg, OR	PBB385C	30	94,649	\$1,659,000.00	5	1	\$170,369.00	\$170,369.00
B386	Roswell, NM	PBB386C2	15	70,068	\$1,174,512.00	5	1	\$63,062.00	\$63,062.00
B387	Russellville, AR	PBB387C2	15	81,863	\$582,000.00	5	1	\$73,677.00	\$73,677.00
B388	Rutland, VT	PBB388C2	15	97,987	\$2,850,375.00	5	1	\$88,189.00	\$142,519.00
B391	St Cloud, MN	PBB391C	30	243,888	\$6,826,043.00	10	1	\$438,999.00	\$682,605.00
B392	St George, UT	PBB392C2	15	83,263	\$2,522,250.00	5	1	\$74,937.00	\$126,113.00
B394	St Louis, MO	PBB394C	30	2,742,114	\$104,425,579.50	5	2	\$4,935,806.00	\$10,442,558.00
B395	Salem, OR	PBB395C	30	440,062	\$17,070,000.00	10	1	\$792,112.00	\$1,707,000.00
B396	Salina, KS	PBB396C	30	143,408	\$1,200,750.00	5	1	\$258,135.00	\$258,135.00
B398	Salisbury, MD	PBB398C	30	163,043	\$4,878,750.00	5	1	\$293,478.00	\$487,875.00
B399	Salt Lake City, UT	PBB399C	30	1,308,035	\$82,293,825.00	5	1	\$2,354,463.00	\$8,229,383.00
B400	San Angelo, TX	PBB400C2	15	155,845	\$2,972,333.25	5	1	\$140,261.00	\$148,617.00
B403	Sandusky, OH	PBB403C	30	133,019	\$3,375,000.00	5	2	\$239,435.00	\$337,500.00
B407	Santa Fe, NM	PBB407C2	15	174,526	\$6,600,000.00	10	1	\$157,074.00	\$330,000.00
B409	Sault Ste. Marie, MI	PBB409C	30	51,041	\$929,250.00	5	1	\$91,874.00	\$92,925.00
B410	Savannah, GA	PBB410C2	15	630,180	\$19,875,000.00	5	1	\$567,162.00	\$993,750.00
B414	Sedalia, MO	PBB414C2	15	79,705	\$445,500.00	5	1	\$71,735.00	\$71,735.00
B416	Sharon, PA	PBB416C2	15	121,003	\$1,783,500.00	5	1	\$108,903.00	\$108,903.00
B418	Sherman, TX	PBB418C	30	151,914	\$5,995,500.75	5	1	\$273,446.00	\$599,551.00
B419	Shreveport, LA	PBB419C	30	583,266	\$12,926,250.00	5	2	\$1,049,879.00	\$1,292,625.00
B420	Sierra Vista, AZ	PBB420C	30	97,624	\$2,242,500.00	5	1	\$175,724.00	\$224,250.00
B422	Sioux Falls, SD	PBB422C	30	207,716	\$5,147,345.25	5	1	\$373,889.00	\$514,735.00
B423	Somerset, KY	PBB423C	30	111,487	\$1,522,500.00	5	3a	\$200,677.00	\$200,677.00
B424	South Bend, IN	PBB424C2	15	330,821	\$13,226,846.25	5	1	\$297,739.00	\$661,343.00
B425	Spokane, Wa	PBB425C2	15	612,862	\$11,783,325.75	5	1	\$551,576.00	\$589,167.00
B426	Springfield, IL	PBB426C	30	254,696	\$7,650,750.00	5	2	\$458,453.00	\$765,075.00
B427	Springfield, MA	PBB427C	30	672,970	\$22,495,511.25	5	1	\$1,211,346.00	\$2,249,552.00
B429	State College, PA	PBB429C	30	123,786	\$2,597,261.25	5	1	\$222,815.00	\$259,727.00
B430	Staunton, VA	PBB430C2	15	100,322	\$1,887,000.00	5	1	\$90,290.00	\$94,350.00
B431	Steubenville, OH	PBB431C	30	142,523	\$1,221,000.00	5	1	\$256,542.00	\$256,542.00
B435	Stroudsburg, PA	PBB435C2	15	95,709	\$1,629,000.00	5	1	\$86,139.00	\$86,139.00
B437	Sunbury, PA	PBB437C	30	187,362	\$4,591,511.25	5	1	\$337,252.00	\$459,152.00
B438	Syracuse, NY	PBB438C2	15	791,140	\$16,914,000.00	5	1	\$712,026.00	\$845,700.00

ATTACHMENT A

Summary of C block Spectrum

Market No.	Market Name	License No.	Spectrum (MHz)	Population*	Winning Net High Bid from Previous Auction	Auction where Most Recent High Bid was Placed	Status**	Upfront Payment***	Minimum Opening Bid****
<p>Notes:</p> <p>* Population</p> <p>All population figures are from the 4/1/90 U.S. Census, U.S. Department of Commerce, Bureau of the Census.</p> <p>**Status</p> <p>1. Spectrum Never Awarded or Returned Pursuant to an Election</p> <p>2. We note that while the previous licensee of this spectrum block, DCR PCS, Inc. (a wholly owned subsidiary of Pocket Communications, Inc.), precipitated the cancellation of its license pursuant to its binding, unconditional election, and while a license for this spectrum block may be included in the auction, DCR PCS, Inc., is currently in bankruptcy, and the judge in that case has preliminarily enjoined the Commission from "alienating the [DCR PCS, Inc.] Licenses" through November 16, 1998. See Order Granting Emergency Motion for Order Authorizing Debtors' Election of FCC Options, <u>In re Pocket Communications, Inc., DCR PCS Inc.</u>, jointly administered under Case No. 97-5-4105-SD (Bankr. N.D. Md. Oct. 29, 1998); and Preliminary Injunction and Scheduling Order, <u>In re Pocket Communications, Inc., DCR PCS Inc.</u>, jointly administered under Case No. 97-5-4105-SD, and <u>Pacific Eagle Investments, Ltd., et al. v. FCC and U.S.A.</u>, Adversary Proceeding No. 98-6223 (ESD) (Bankr. N.D. Md. Oct. 29, 1998).</p> <p>3. <u>Post-Election Installment Payment Defaults</u></p> <p>3a. Southeast Telephone, Ltd.</p> <p>3b. Wireless Ventures, Inc.</p> <p>4. <u>Petitions</u></p> <p>4a. Longstreet Communication International, Inc.</p> <p>4b. Mountain Solutions Ltd., Inc.</p> <p>*** Upfront Payment Calculation</p> <p>Market Population * Spectrum (in MHz) * \$0.06 (result is rounded up to the next highest dollar).</p> <p>**** Minimum Opening Bid Calculations</p> <p><u>15 MHz Licenses:</u> Net high bid (from the most recent auction) * 0.05 or the upfront payment for the license, whichever is greater (result is rounded up to the next highest dollar).</p> <p><u>30 MHz Licenses:</u> Net high bid (from the most recent auction) * 0.10 or the upfront payment for the license, whichever is greater (result is rounded up to the next highest dollar).</p>									